

What is claimed is:

1. An ophthalmic apparatus comprising:
 - a light control means formed with an aperture having a predetermined shape;
 - 5 means for projecting the aperture onto a surface of tear film collected on a lower eyelid;
 - means for imaging the aperture projected on the tear film surface; and
 - a means for evaluating a physical quantity of
 - 10 lacrimal fluid based on the image of the aperture thus obtained.
2. An ophthalmic apparatus according to claim 1, wherein a radius of meniscus curvature is calculated based on the aperture image.
- 15 3. An ophthalmic apparatus according to claim 2, wherein a dry eye condition is evaluated based on the calculated radius of meniscus curvature.
4. An ophthalmic apparatus according to claim 1, wherein the light control means is a grid comprised of a
- 20 plurality of slit-shaped apertures arranged in an equidistant arrangement.
5. An ophthalmic apparatus according to claim 1, wherein the projection means and imaging means are each provided with a polarizing plate.
- 25 6. An ophthalmic apparatus according to claim 1, wherein an orientation of an aperture can be adjusted in

7. An ophthalmic apparatus according to claim 1, wherein an optical system of the projection means and an optical system of the imaging means are arranged coaxially.

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